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| Name | Suyash verma |
| Project Name | LockedMe.com |
| Phase and Batch | Java FSD Phase 1 Feb 2022 Cohort 2 |

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| Technology |
| Java Programming |
| Java Concept use   |  | | --- | | * File Handling in Java | | * Control Structures | | * Java Collections | | * Exceptional Handling | | * Java Object Oriented Programming | | * Naming Standards | | * Access Modifiers | |
| Project Folder Structures |
| Source Code   |  | | --- | | App.java  package com.LockedMe;  import java.util.Scanner;  public class App {  static Scanner scan = new Scanner(System.in);  public static void main(String []args) {  Option1.setCurrentDirectory("LockedMe"); //set new current directory  Welcome.appInfo();  Welcome.displayMenu();  }    } |  |  | | --- | | Welcome.java  package com.LockedMe;  import java.util.Scanner;    public class Welcome {  static Scanner scan = new Scanner(System.in);  public static void appInfo() {  System.out.println(" |\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*|");  System.out.println(" |\*Welcome to LockedMe\*|");  System.out.println(" |\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*|");  System.out.println("Application Name : LockedMe.com");  System.out.println("Developer Name : Suyash verma");  System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  }  public static void displayMenu() {  System.out.println("Menu : Select ");  System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.out.println("1 -> View Files in the directory");  System.out.println("2 -> Operations on File");  System.out.println("3 -> Close Application");  System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.out.println("Enter option number: ");  while(true) {  int option = scan.nextInt();  switch(option) {  case 1:  System.out.println("Files in the directory are: ");  Option1.showFiles();  break;  case 2:  System.out.println("You can perform following operations on files: ");  menuForOperationsOnFile();  break;  case 3:  System.out.println(" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.out.println(" \*\*\*\*\*\*\*\*\* XXX END XXX \*\*\*\*\*\*\*\*\*");  System.out.println(" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.exit(0);  break;  default:  System.out.println(Option1.getCurrentDirectoryPath());  System.out.println("Choose from the Menu");  System.out.print("<-- Main menu");  }  }  }  public static void menuForOperationsOnFile() {  System.out.println("Menu : Select ");  System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.out.println("1 -> Search File");  System.out.println("2 -> Add a File");  System.out.println("3 -> Delete a File");  System.out.println("4 -> Back to Main menu");  System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.out.println("Enter option number: ");  while(true) {  int option = scan.nextInt();  switch(option) {  case 1:  System.out.println("Search File is selected. Enter file name: ");  String fileName = scan.next();  Option2.searchFile(fileName);  break;  case 2:  System.out.println("Add File is selected. Enter file name: ");  String fileName1 = scan.next();  Option2.addFile(fileName1);  break;  case 3:  System.out.println("Delete File is selected. Enter file name: ");  String fileName2 = scan.next();  Option2.deleteFile(fileName2);  break;  case 4:  System.out.println("Back to main menu: ");  displayMenu();  }  }  }  } |  |  | | --- | | Option1.java  package com.LockedMe;    import java.io.File;  import java.util.Arrays;  public class Option1 {  static String directory\_path = "C:\\Users\\verma\\OneDrive\\Desktop\\Simplilearn\\Projects\\LockedMe.com\\File\_Storage";  static String directory\_name = directory\_path + "LockedMe";  public static Boolean setCurrentDirectory(String new\_directory\_name)  {  boolean result = false; // Boolean indicating whether directory was set  File directory; // Desired current working directory  directory\_name = "C:\\Users\\verma\\OneDrive\\Desktop\\Simplilearn\\Projects\\LockedMe.com\\File\_Storage\\" + new\_directory\_name;  directory = new File(directory\_name).getAbsoluteFile();  if (directory.exists() || directory.mkdirs())  {  result = (System.setProperty("user.dir", directory.getAbsolutePath()) != null);  }    return result;  }  public static String getCurrentDirectoryPath() {  return directory\_name;  }  public static void showFiles() {  File directoryPath = new File(directory\_name);  String files[] = directoryPath.list();  Arrays.sort(files);  System.out.println();  for(int i=1;i<=files.length;i++) {  System.out.println(i + " -> " + files[i-1]);  }  }  } |  |  | | --- | | Option2.java  package com.LockedMe;    import java.io.File;  import java.util.Scanner;  import java.util.Arrays;  import java.io.FileWriter;  import java.io.IOException;    public class Option2 {  static Scanner scan = new Scanner(System.in);  public static void performOption2() {  }  //search file in the directory  public static Boolean searchFile(String fileName) {  File directoryPath = new File(Option1.directory\_name);  String files[] = directoryPath.list();  Arrays.sort(files);  for(int i=0;i<files.length;i++) {  System.out.println(files[i]);  }  for(int i=0;i<files.length;i++) {  if(files[i].equals(fileName)) {  System.out.println(fileName + " exists in the folder");  return true;  }  }  System.out.println(fileName + " doesn't exists in folder");  return false;  }  //add file in the directory  public static void addFile(String fileName) {  String file\_name = Option1.directory\_name + "\\" + fileName;  System.out.println(file\_name);  File newFile = new File(file\_name);  if(newFile.exists()) {  System.out.println("File already exists");  }  else {  try {  if(newFile.createNewFile()) {  addContentInFile(file\_name);  System.out.println("New file created with filename: " + fileName);  }  }catch (Exception e) {  // TODO Auto-generated catch block  //e.printStackTrace();  System.out.println(e);  }  }  }  //delete a file in the directory  public static void deleteFile(String fileName) {  String file\_name = Option1.directory\_name + "\\" + fileName;  System.out.println(file\_name);  File myObj = new File(file\_name);  if (myObj.delete()) {  System.out.println("Deleted the folder: " + myObj.getName());  } else {  System.out.println("Failed to delete the folder.");  }  }  //add content in the file  public static void addContentInFile(String file\_name) {  try {  System.out.print("Enter number of lines: ");  int count = Integer.parseInt(scan.next());  File curr\_working\_file = new File(file\_name);  if(curr\_working\_file.canWrite()) {  try {  FileWriter myWriter = new FileWriter(file\_name);  for(int i=1;i<=count;i++) {  System.out.println("Enter line: ");  myWriter.write(scan.nextLine() + "\n");  }  myWriter.close();  }catch(IOException e) {  System.out.println(e);  }  }  else  {  System.out.println("Do not have write access to the file.");  }  }catch(Exception e) {  System.out.println(e);;  }  }  } | |
| Project Screenshots |
| [Git hub HYPERLINK "https://github.com/suyash-verma22/LockedMe.com" HYPERLINK "https://github.com/suyash-verma22/LockedMe.com" HYPERLINK "https://github.com/suyash-verma22/LockedMe.com"repository](https://github.com/suyash-verma22/LockedMe.com) : [<https://github.com/suyash-verma22/LockedMe.com>] |
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